



OWNER'S MANUAL



MANUFACTURING LTD.

1400 Industrial Road,
Westside Industrial Park, Kelowna, B.C.
V1Z 1G5



OWNER'S MANUAL

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THE COMPANY RESERVES THE RIGHT TO CHANGE PRICES AND SPECIFICATIONS OF ANY PARTS, ACCESSORIES OR UNIT, WITHOUT NOTICE.

When you purchased your new Frontier, you joined one of the fastest growing fraternities in Canada.

Your Frontier is engineered to meet all applicable Federal, Provincial and C.S.A. regulations to ensure many confident years of relaxation and pleasure. You have purchased the best possible quality through the best brand-name appliances and advanced production techniques.

A new way of life — new sights, new sounds and new friends — is now at your beck and call!

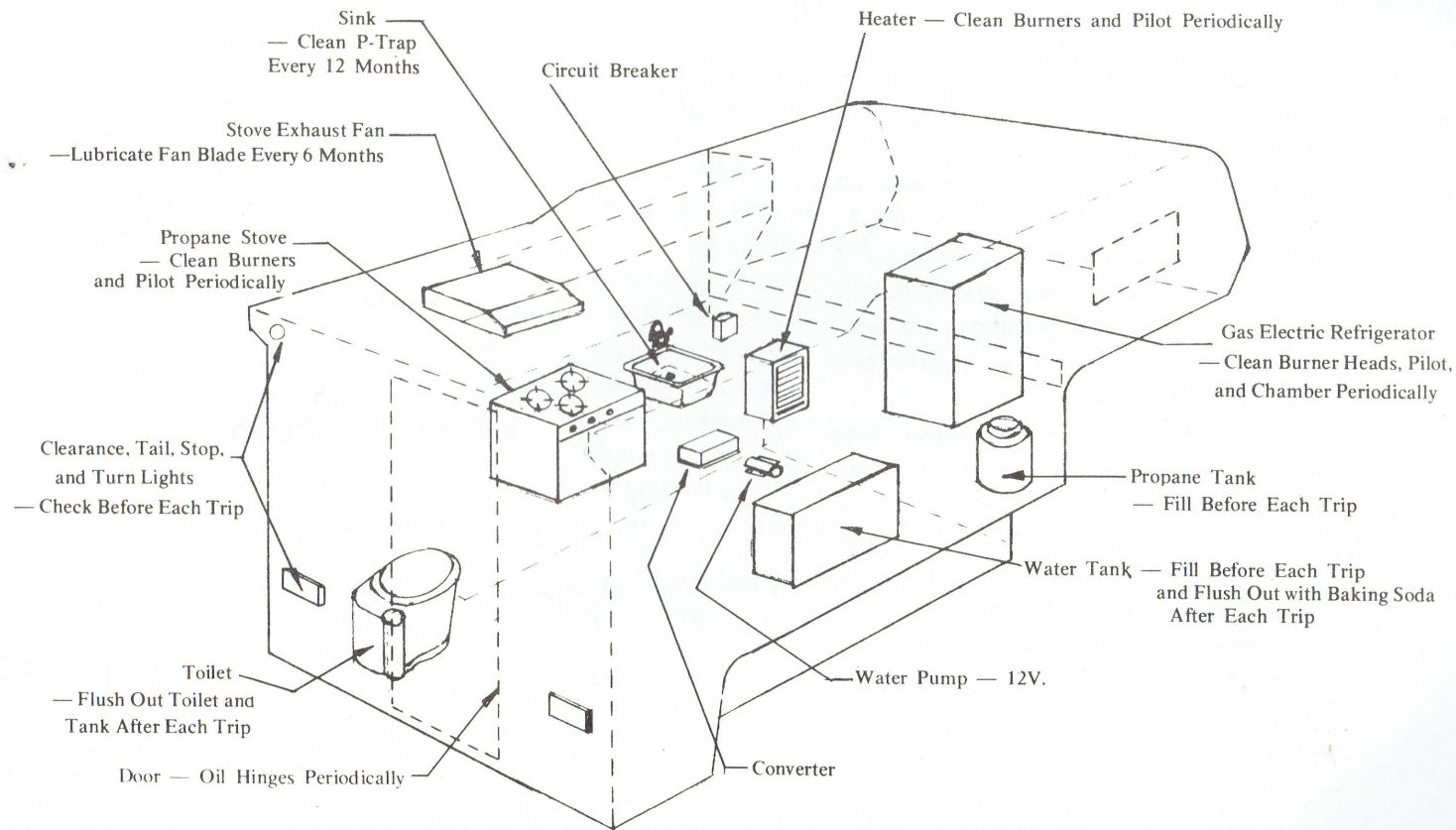
There are many tips for the care and service of your unit in this Owner's Manual so please read it carefully and thoroughly as it is designed to help you enjoy your new Frontier Recreational Vehicle.

Part I

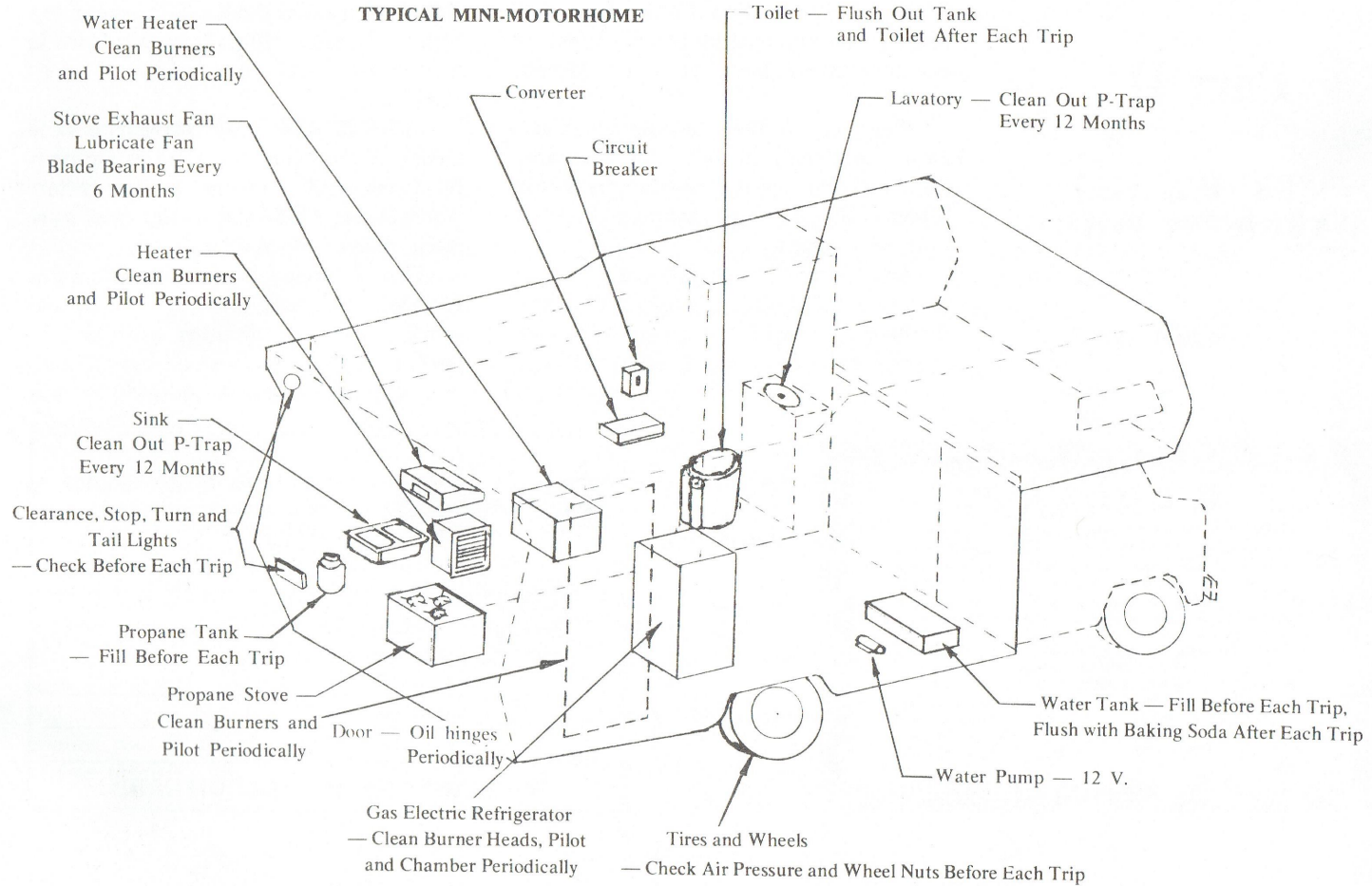
INTRODUCTION

GET ACQUAINTED WITH YOUR NEW FRONTIER

TYPICAL CAMPER



TYPICAL MINI-MOTORHOME



Part II

SERVICE AND WARRANTY POLICY

Enclosed in this Owner's Manual is a Warranty Registration Card which lists information required by the Company to enable you to have prompt, efficient service.

Please ensure that you and the dealer have completed, in full, the Warranty Card and returned it to the factory within fifteen (15) days of your taking delivery of your new Frontier.

Also contained in this Owner's Manual is a check list provided to help your dealer familiarize you with the correct operation of your unit. Keep the golden rod copy

with your owner's manual and give the white copy to your dealer. Time spent now with your dealer will pay you dividends in the trouble-free operation of your Frontier.

REMEMBER: Your Warranty is valid ONLY if the Warranty Card is properly filled out and returned to the factory within fifteen (15) days after you have taken delivery of your unit.

This Warranty is the only Warranty applicable to your Frontier and is expressly in lieu of all other expressed or implied warranties.

WARRANTY

FRONTIER MANUFACTURING LTD. hereby warrants this unit against any defects in material or workmanship for a period of one year from the date of purchase. Appliances and accessories are warranted separately by the appropriate manufacturers exclusive of labour charges to replace any such item should it be defective. This warranty is extended to the original purchaser only, and shall not be effective if the unit has been the subject of abuse, negligence or accident, nor if the unit has been repaired or altered outside of the facilities of FRONTIER MANUFACTURING LTD. without their approval. Maintenance shall be the responsibility of the owner. Any transportation charges for defective parts returned under warranty are payable by the purchaser but replacement parts will be shipped back at the cost of FRONTIER MANUFACTURING LTD.



FRONTIER MANUFACTURING LTD.

1400 INDUSTRIAL ROAD,
WESTSIDE INDUSTRIAL PARK,
KELOWNA, B.C. V1Z 1G5

Model _____ Serial No. _____ Reg. No. _____

Name _____

Address _____

City _____

Selling Dealer _____

Date of Sale _____ Expiry Date _____

WARRANTY AUTHORIZATION CARD

ACCESSORIES WARRANTY

Your Frontier recreational vehicle complies with all Federal, Provincial and C.S.A. Acts, and is built to the highest standards in the recreational vehicle industry. The Company is not the manufacturer of ranges, ovens, range hoods, refrigerators, heaters, water heaters, air compressors, air conditioners, windows, toilets, jacks, rectifiers and L.P.G. accessories. No independent study for quality and fitness has been conducted by the Company and as such we make no express or implied representation regarding their freedom from defects. The individual manufacturer provides a separate warranty which is supplied to you. Almost all these manufacturers have service centres throughout Canada. Should you however, experience any problems contact your Dealer first before obtaining service through other means.

1. Windows

Hehr International Inc.,
1824 Industrial Road
Nampa, Idaho 83651
208-466-7833
3333 Casitas Ave.
Los Angeles, Calif. 90039
213-663-1261

Elixir Ind.
Box 206
Aurora, Oreg. 97002

2. Exterior Entrance Doors

Elixir Ind.
Box 206
Aurora, Oreg. 97002

3. Exterior Compartment Doors

Travel Trim & Vent
3020 E. Las Hermanas
Compton, Calif. 90221
213-537-4370

4. Range Hoods and Roof Vents

Jensen General Corp.
1946 E. 46th Ave.
Los Angeles, Calif. 90058
213-232-8292

5. Ovens, Ranges

Elixir Ind.
Box 206
Aurora, Oreg. 97002
503-981-0181

6. Refrigerators

Domestic Sales of Canada Ltd.
6303 - 30th St. S.E.
Calgary, Alberta
403-279-2669

7. Furnaces and Water Heaters

Traco Mfg.
7041 Farrell Road
Calgary, Alberta
403-253-2231

8. Air Conditioners

Canadian Coleman
1201 - 45 Ave., N.E.
Calgary, Alberta

9. Water Pumps

Traco Mfg.
7041 Farrell Road
Calgary, Alberta
403-253-2231

10. Toilets

Traco Mfg.
7041 Farrell Road
Calgary, Alberta
403-253-2231

11. LPG Tanks and Regulators

Engineering Products of Canada Ltd.
2020 Centre Street N.W.
Calgary, Alberta

12. Ice Boxes

D. Weiss
6404 S.W. MacAdam Ave.
Portland, Oreg. 97201

Undesirable handling problems are generally caused by mismatched trucks and campers. The following items should be included in your truck as standard equipment.

1. Truck capable of handling the total vehicle weight (weight rating should be given on the vehicular certification label located on the left side of the truck, usually on the door latch post).
2. Long wide pickup box.
3. 3 speed transmission with close ratio rear end, 4 speed or heavy duty 3 speed automatic.
4. Big 6 cylinder V6 or V8 engine.
5. Heavy duty radiator.
6. Heavy duty rear springs.
7. Heavy duty shock absorbers, front and rear.
8. Minimum 6 ply tires with split or wide rims.
9. Front end stabilizer.

Select the truck that has a cargo weight rate greater than the total load of your

loaded camper. Remember to add 500 to 800 pounds for the addition of water, L.P.G., groceries, personal belongings, etc.

MOUNTING AND DISMOUNTING YOUR TRUCK CAMPER

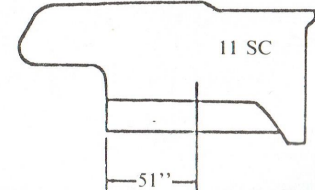
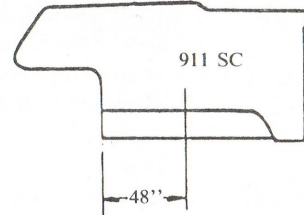
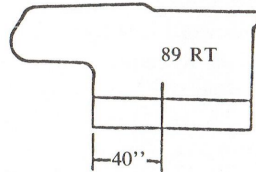
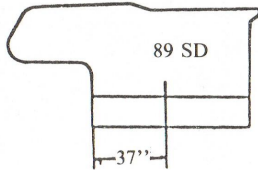
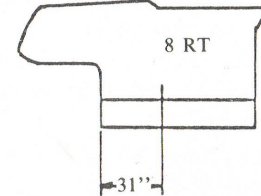
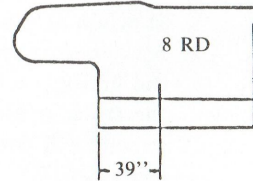
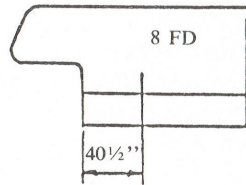
1. Always raise and lower your camper slowly and evenly.
2. Always place the base of your jacks on the ground in a position so that when the truck is backing into position the tripods will not be in the line of wheel movement.
3. Always be sure your jack bases are on solid ground. Place boards under each foot of the base when the ground is soft to prevent stem warpage and to reduce the tipping of a jack. Shim up the base of the jack when the ground is not level.
4. Follow the above procedures when mounting your camper and make sure all four tie-downs are secure.

Part III

YOUR TRUCK AND CAMPER

CAMPER WEIGHTS (NO OPTIONS)

| MODEL | APPROX. WEIGHT INCLUDING. WATER AND PROPANE | | ADD PERSONAL GOODS | ADD — OPTIONS | |
|--------|---|------|-----------------------|------------------------------|--------|
| | LBS. | KGS. | | LBS. | KGS. |
| 8 FD | 1298 | 589 | } 300 to 600 lbs. | 460 Fridge (Less 360 Fridge) | 7 3 |
| 8 RD | 1482 | 672 | | 360 Fridge (Less Ice Box) | 53 24 |
| 8 RT | 1601 | 726 | | 10,000 BTU Heater | 24 11 |
| 89 SD | 1625 | 737 | | Ove (Less Hot Plate) | 48 22 |
| 89 RT | 1675 | 760 | | 6 Gal. Water Heater | 39 18 |
| 911 SC | 2004 | 909 | | Propane Bottle | 20 9 |
| 11 SC | 2195 | 996 | | Fresh Water Toilet | 12 5 |
| | | | | Holding Tank & Fittings | 11 5 |
| | | | | 3 Hi-Jackers | 73 33 |
| | | | | 4 Hi-Jackers | 96 43 |
| | | | | 4 Hydraulic Jacks | 124 56 |
| | | | | Battery | 44 20 |
| | | | | Convert-A-Bunk Kit | 8 4 |
| | | | | 911 SC Shower Stall | 55 25 |



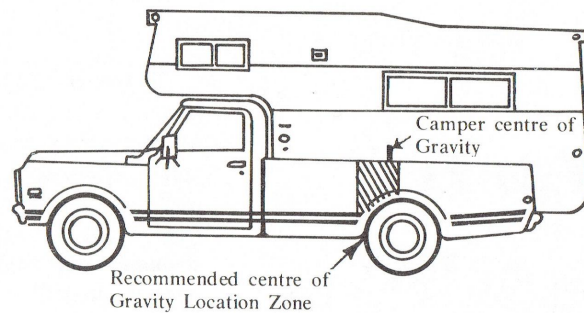
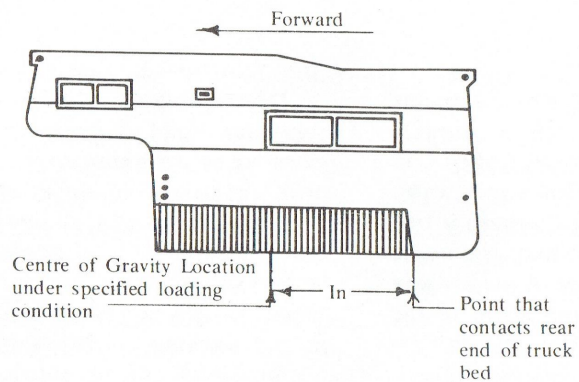


FIGURE 9
SLIDE-IN CAMPER LOADING
DIAGRAM

Part IV

EXTERIOR CARE AND MAINTENANCE

Exterior Skin — The exterior aluminum is finished with a durable weatherproof, rust-resistant baked-on acrylic enamel. Wash it down with warm water and a mild detergent to keep it free from bugs, dirt and road film. Never use strong solvents or abrasives. A quality wax application will protect the lustre of the finish.

Roof — The roof on your unit is a rust-proof heavy gauge aluminum that requires no maintenance other than sealing around vents and other roof seams once every year before winter. Your dealer and most trailer supply stores can supply you with the correct aluminum roof sealant.

Doors and Windows — Through continued use of your recreational vehicle, vibration occurs which may cause seams to open and screws to loosen on doors and windows. Periodically, all screws should be retightened and a bead of aluminum roof sealant should be applied to all cracks and seams. Door lock mechanisms will remain in top working condition with periodic applications of graphite to lock mechanisms. The vibrations will almost always cause a slight loosening in the seal of your entrance door. You can provide a more positive seal by adjusting the striker plate on the door with a screwdriver.

Interior Panelling — The pre-finished interior panelling may be cleaned with a mild detergent, damp cloth and water. Never use strong solvents or harsh abrasives. To preserve the finish of cabinet door edges, an occasional application of furniture wax should be applied. '

Upholstery — Most cushion covers are zippered and are easily removed for cleaning. Use a foam type of cleaner, such as Glory, to remove spots and stains. Do not, under any condition, have them dry-cleaned.

Draperies — Coloured drapes are not washable and should be dry-cleaned only.

Table and Counter Tops — Only the finest grade of high quality laminate has been used in the manufacture of our tables and counter tops. They may be easily cleaned with soap and warm water.

Floors — A high grade durable cushioned vinyl linoleum covers your floors. Use a mild detergent and warm water for cleaning. Vinyl floor wax should be used to preserve its brightness.

Part V

INTERIOR CARE AND MAINTENANCE

Part VI

LIQUIFIED PETROLEUM GAS SYSTEM

Liquid petroleum gas is a true gas compressed into liquid form known as propane, butane or bottled gas. It converts into vapour from -34°C (propane), to -1°C for butane. The resulting vapour is burned by your appliances. "These gases all have the following characteristics:"

1. They are potentially lethal and highly flammable.
2. They are heavier than air and will settle and float on a surface like water.
3. They give off a noxious odour.
4. They are highly explosive in a confined area.
5. A properly adjusted flame has a by-product of carbon dioxide and water vapour. An improperly adjusted flame produces carbon monoxide, an odourless, poisonous gas. Burning partially reduces the oxygen content of the air.
6. Asphyxiation can result if proper outside ventilation is not provided. For this reason, all units have ventilators such as opening windows, and roof vents....**OPEN THEM.** A decal is affixed to your L.P.G. tank and range reminding you of this important step. Breathing itself consumes Oxygen from the air, so when occupying or sleeping in your unit always be sure to provide proper ventilation. If not handled

properly, L.P. Gas can be dangerous to use so we are listing some basic steps for safe and practical use of your L.P.G. system.

L.P. GAS SAFETY PRECAUTIONS

1. Never allow a tank to be filled while it is still in the L.P.G. compartment. Have your tank filled only at an authorized or licenced L.P.G. station. There are many L.P.G. stations throughout the country. They are listed in the Yellow Pages under "Gas-Liquified Petroleum - Bottled and Bulk".
2. The liquid level gauge must be opened to prevent overflowing while the tank is being filled. Liquid gas will squirt from an open liquid level gauge when the tank is filled to capacity. Then simply close the shut-off valve and liquid level gauge.
3. When tightening the spud nut on the shut off valve, draw it up snug with a proper wrench --don't jam it. Since this is a machined male brass fitting which rests securely against the female seat in the valve, no pipe dope is necessary. The valve should be repaired or replaced if strong pressure is necessary to stop a leak.
4. When using the tank open the shut-off

- valve all the way and close it 1/4 turn. This will always allow you to determine if the valve is open or closed.
5. Each time you refill your tanks, check the tank and line connections to make sure they are tight. When testing for leaks use soapy water, not matches.
 6. Make certain your tank is fastened securely in place.
 7. Only an authorized or licenced L.P.G. man should adjust your L.P.G. regulator.
 8. When taking your L.P.G. tank to a L.P.G. dealer for filling, always transport it, in the proper position, in which it is used, with the valves closed. Secure the tank against rolling and falling.
 9. Never install, store or transport any L.P.G. tank (filled or empty) inside your unit.
 10. In an emergency the tank service valve should be readily accessible, so never attach to the L.P.G. compartment door any lock or device requiring a key or such tools to open.
 11. Never use an upright tank in lay-down position, nor a lay-down tank in upright position.
 12. The outside of the L.P.G. Tank should be kept from rusting by applying a coat of good paint. However, you need

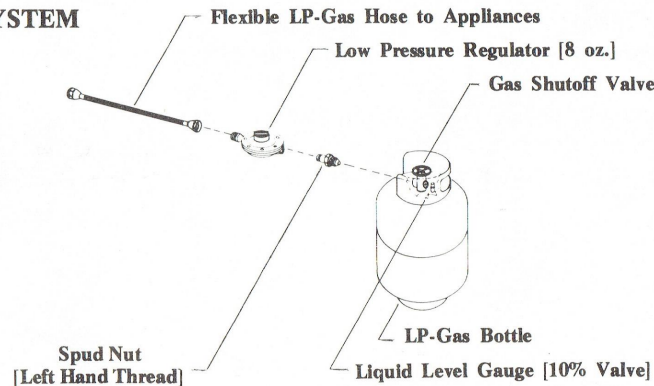
not worry about the inside of your tank as L.P. Gas is non-corrosive.

13. Always remember to turn off your L.P.G. tanks while travelling.
14. After travelling or a period of non-use always be sure to properly ventilate your unit before attempting to light a L.P.G. appliance. Do not use the unit or light any matches or appliances if an odour of gas is apparent. Check your unit and take it to an authorized Frontier Dealer for service.
15. It may be necessary to bleed the L.P. gas line of trapped air before the initial lighting of an L.P.G. appliance. To do this, open the burner valve or pilot holding a lighted match or flame

near the opening. Allow time for the air to escape. This will vary according to the distance of the L.P.G. appliance from the L.P.G. Tank.

16. If moisture is present anywhere in your gas system it can easily freeze solid at low temperatures. Have an authorized serviceman inject a little dry methyl alcohol into the tank (about 1 oz. to 20# of fuel), when filling your tank. The Alcohol will act as an anti-freeze for the entire system.
17. Contact your dealer or authorized and licenced L.P.G. representative if you do not understand the operation of any of your appliances. Practice Safety At All Times.

TYPICAL LPG SYSTEM



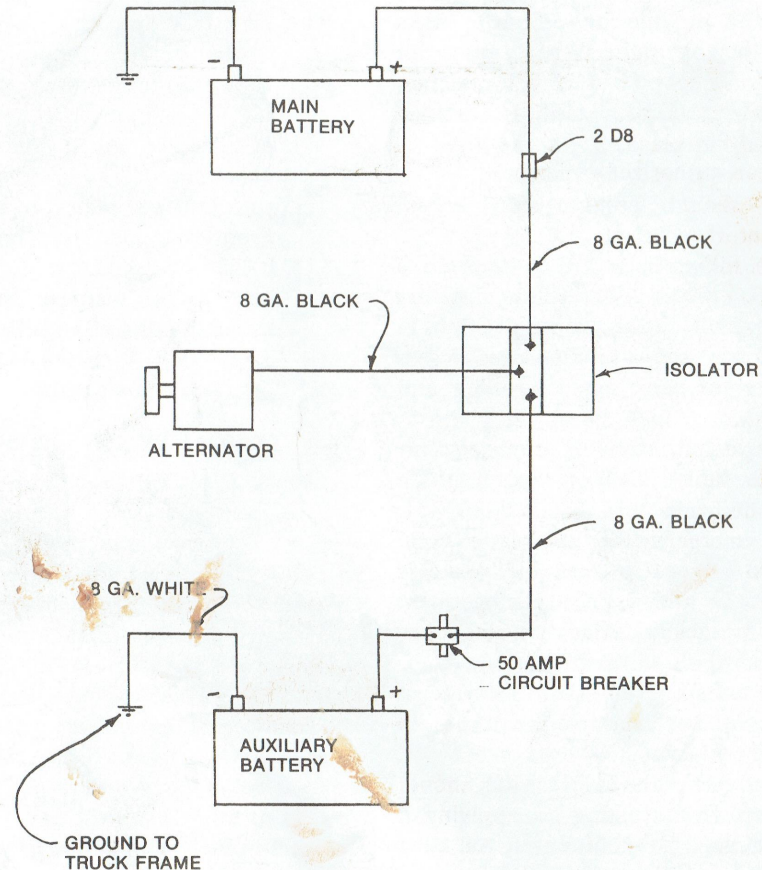
Note: Drawing indicates upright propane tank, some models utilize a horizontal tank with similar fittings.

—TYPICAL R.V. BATTERY WIRING—

Part VII

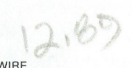
ELECTRICAL SYSTEM

In the absence of an 110 Volt source, all your 12 Volt requirements are supplied by your truck's 12 Volt DC Battery/Alternator system. In some models your entire electrical needs are distributed and controlled by a power converter. A flip of the switch converts 110V AC automatically to 12V D.C. providing all of your 12V camper equipment with continuous safe operation while hooked up to 110V.



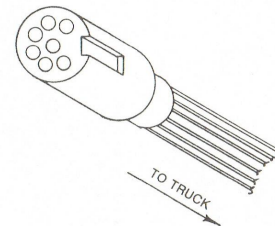
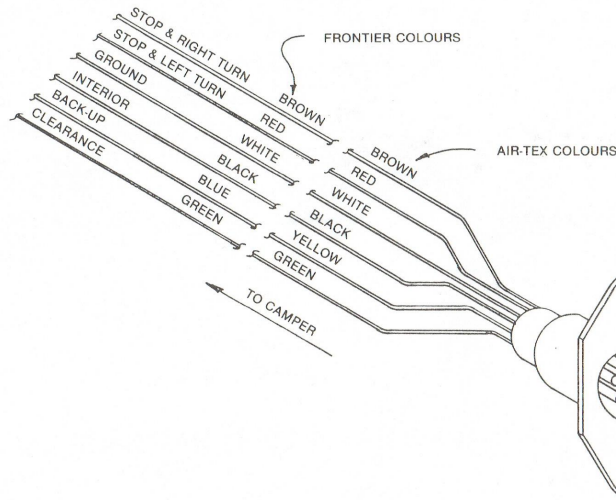
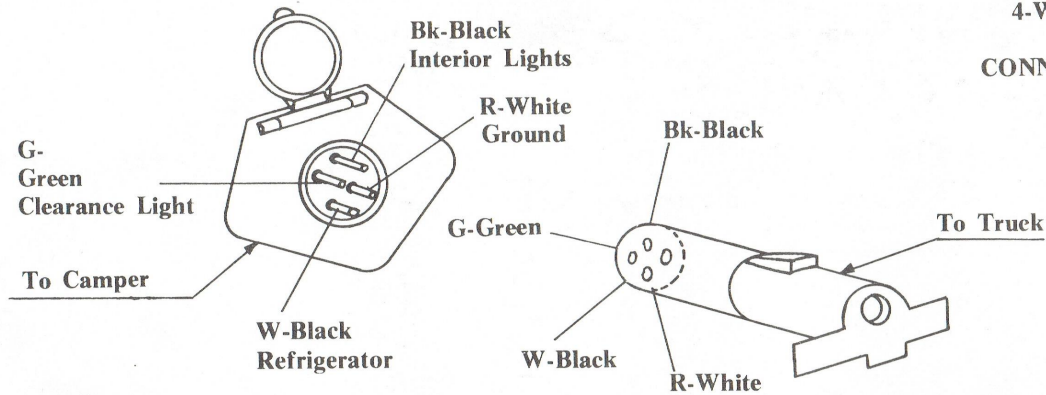
12.57

10 AMP C

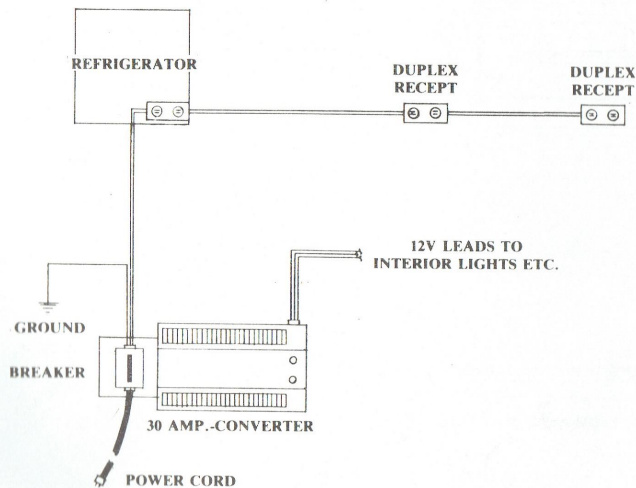
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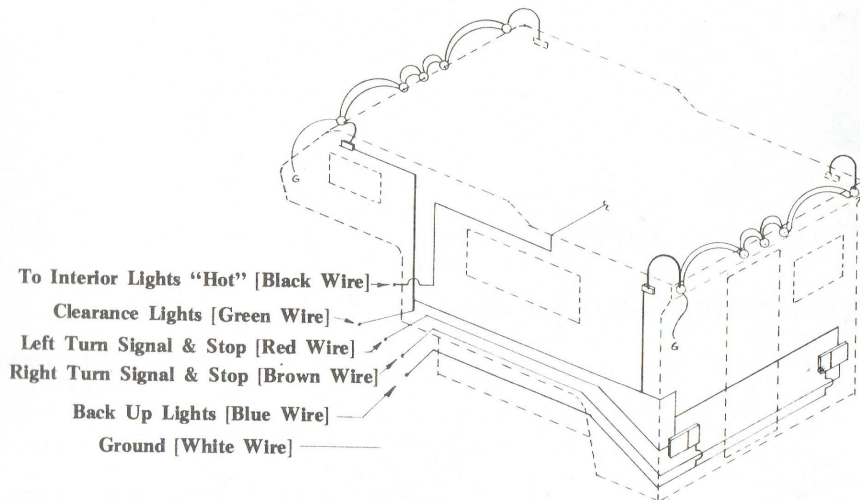
4-WAY [POLLAK] CAMPER CONNECTOR WIRING

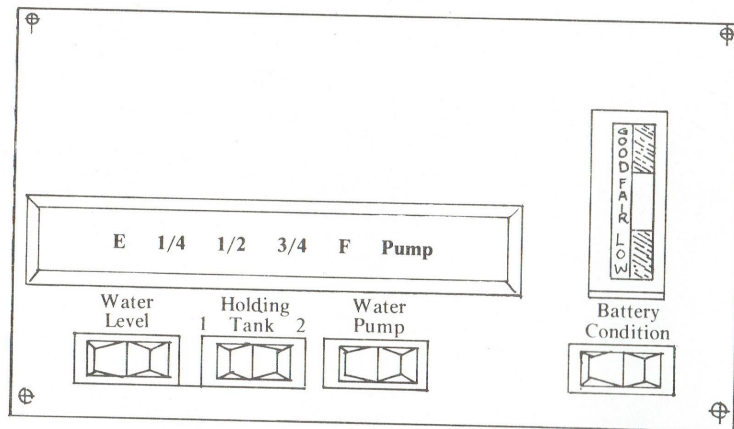


TYPICAL - 110V - SERVICE WITH 12V CONVERTER.



TYPICAL CLEARANCE AND TAIL LIGHT WIRING — 12 VOLT





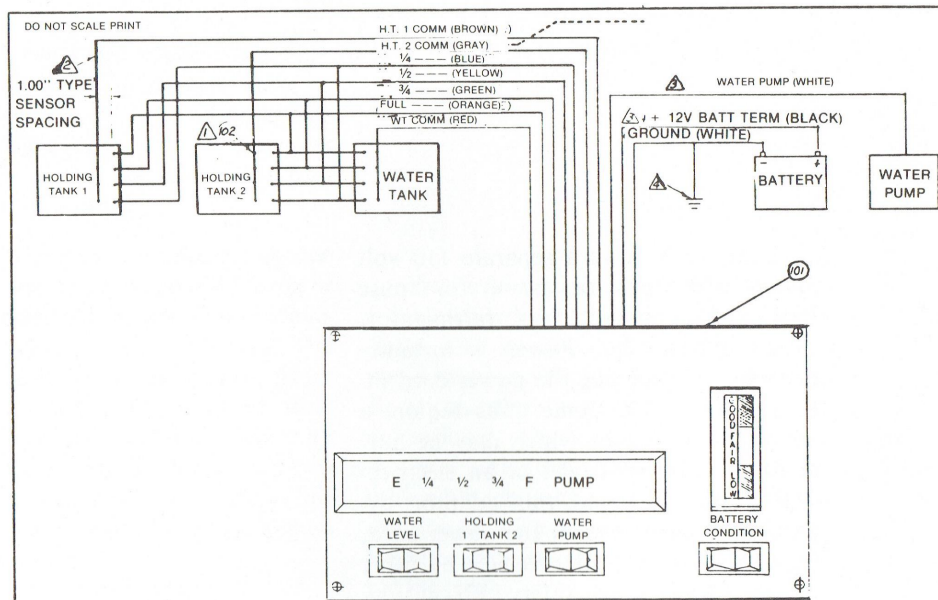
ELECTRONIC MONITOR PANEL

THE CONTROL PANEL contains a solid state circuit which monitors the liquid levels of the tank.

TO OPERATE press the switch for each required tank individually. The level indications will all light up in the plastic trim plate when the tank is full.

THE "PUMP" INDICATION WILL LIGHT UP WHEN THE SWITCH IS IN THE "ON" POSITION.

TRUE BATTERY CONDITION will show on indicator only if the converter is switched to "battery".



ELECTRONIC MONITOR PANEL WIRING SCHEMATIC

Part VIII

110 VOLT SYSTEM

Some units have a separate 110 volt system which provides power for house type appliances such as refrigerator, utility outlets, etc. Power is instantly provided by plugging the power cord into a 110V outlet. Some units require a supply cord adaptor which may be purchased from your dealer or an electrical supply store. Should this adaptor bypass the ground lead of the power cord, be sure to ground your vehicle by other means. This is a safety precaution. When you have overloaded your circuit a breaker will flip to the 'off' position. This may have been caused by placing too many appliances on one circuit. If this is not the case, your dealer or serviceman should be contacted.

The following procedure should be used for complete sanitization of your potable water system. The same applies if it is a new system, a contaminated system or one that has not been used for a period of time.

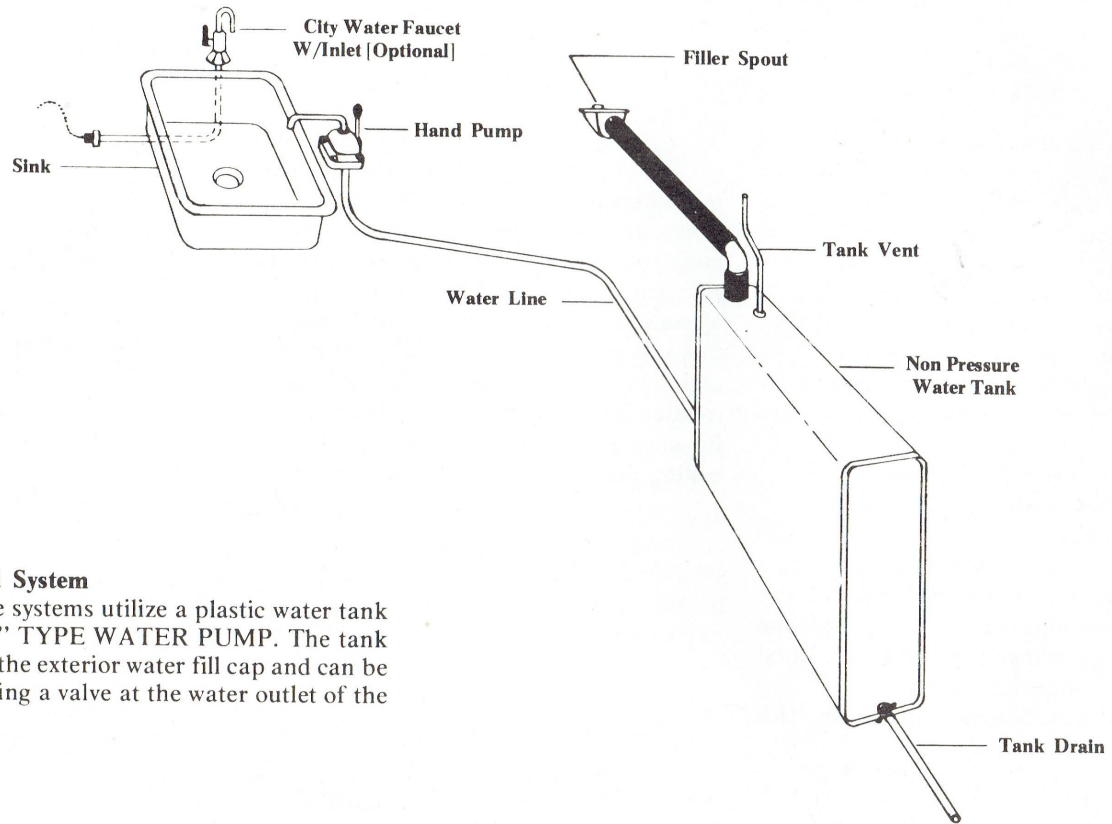
1. Prepare a chlorine solution using one gallon of water to 1/4 cup of Chlorox or Purfex household bleach (5% sodium hypochlorite solution). Pour the chloride solution into empty water tank. (For each 15 gallons of tank capacity use one gallon of solution).
2. Fill your tank with fresh water. Open each faucet and drain cock until all air has been released and the entire system is full of water.
3. Allow to stand for 3 hours.
4. Drain and flush with fresh water.
5. An unpleasant taste or odour might remain. To eliminate, simply prepare a solution of one quart vinegar to five gallons of water and allow this solution to agitate in the water tank for several days of vehicular motion.
6. Again drain the tank and flush with fresh water.

The solution is approved by and recommended by competent health officers and as such the above recommendations conform to the codes covering electrical, plumbing and heating of a recreational vehicle. It is recommended that you periodically flush out your water tank with a baking soda and fresh water solution for a fresh tasting supply of water. Be sure to use several tablespoons of baking soda.

Part IX

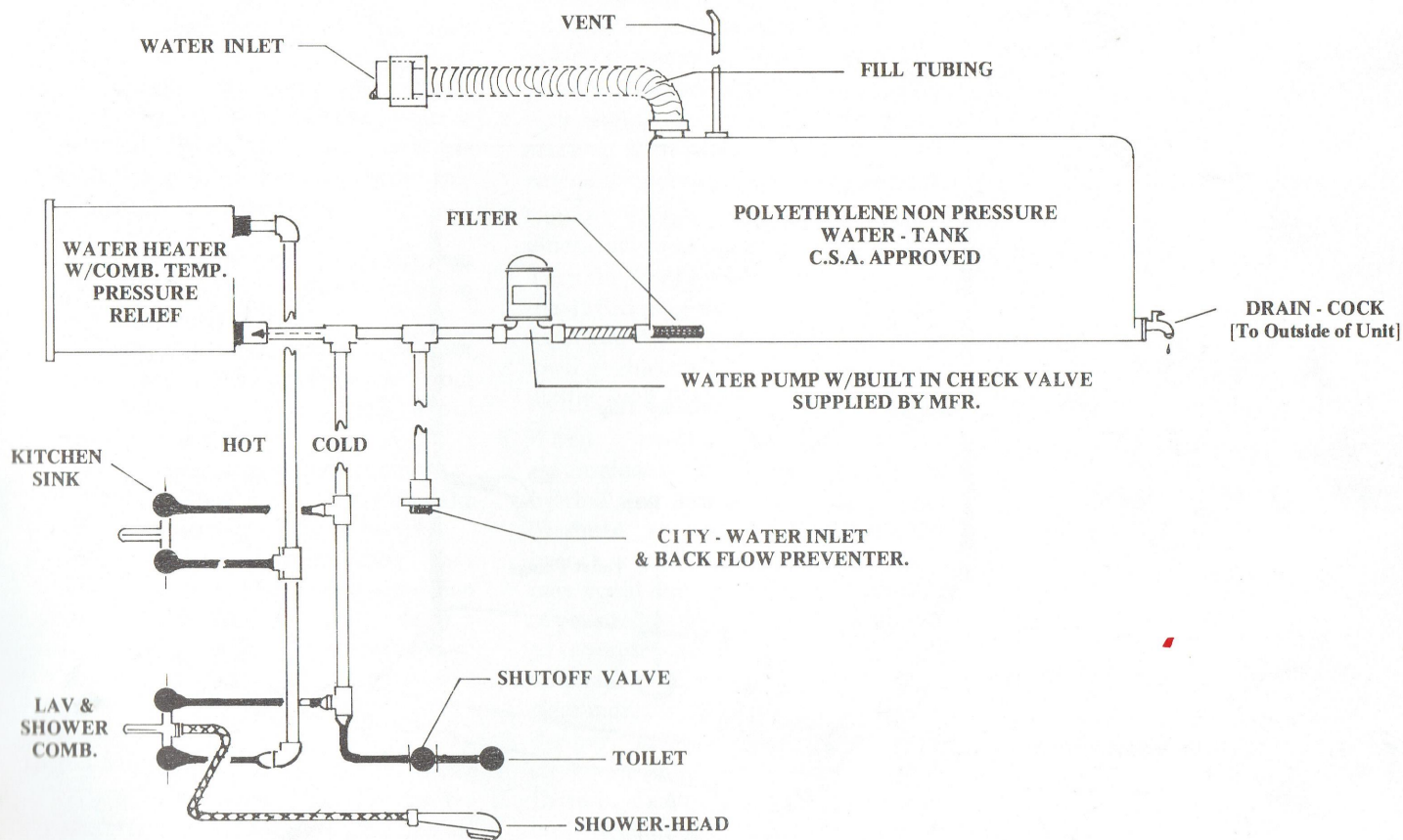
WATER SYSTEM

TYPICAL NON-PRESSURE WATER SYSTEM

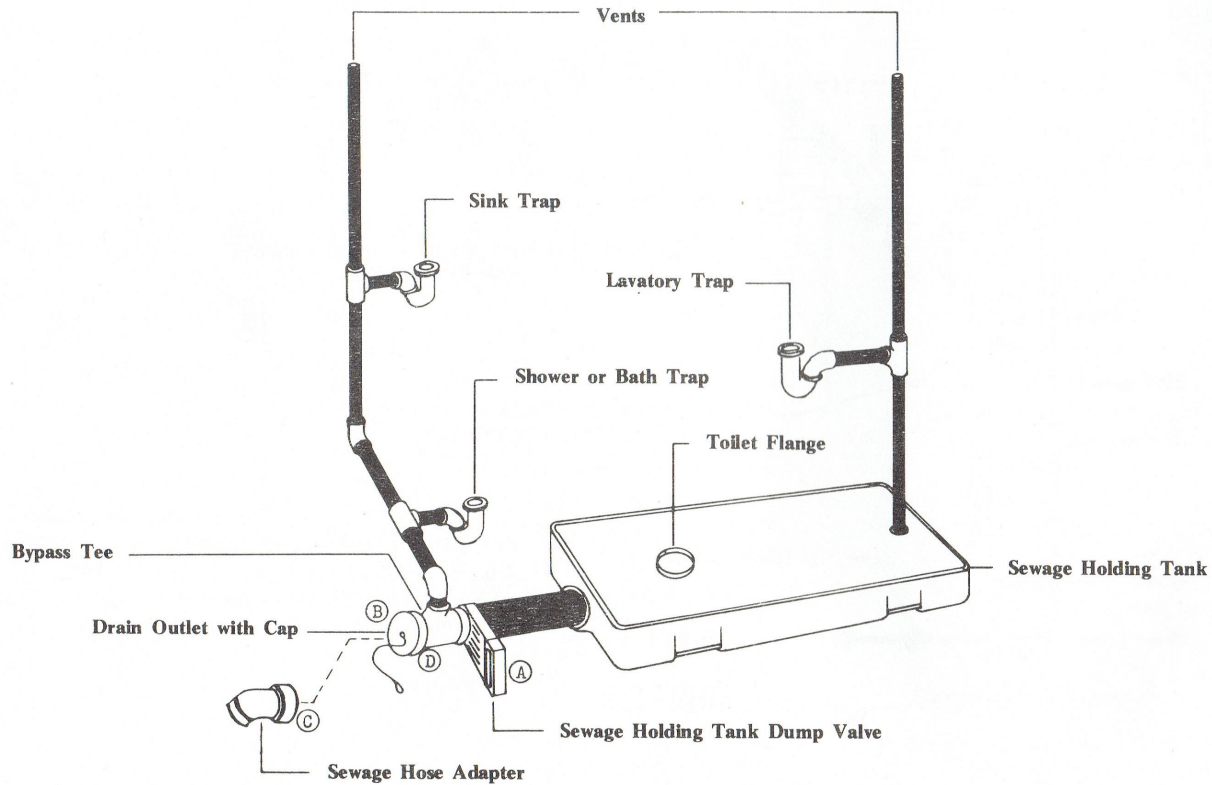


Non-Pressurized System

Non-pressure systems utilize a plastic water tank and "WOBBLE" TYPE WATER PUMP. The tank is filled through the exterior water fill cap and can be drained by opening a valve at the water outlet of the tank.



TYPICAL SELF CONTAINED WASTE SYSTEM



Driving Tips

Your recreational vehicle has been designed to be driven at regular highway speeds without any sway or unusual handling characteristics. Driving with a recreational vehicle may be a new experience for you, so here are some important steps to assist you.

1. To get the feel of your rig before you leave on extended travels, try it out on some short trips first.
2. Be sure you have traffic clearance before pulling out from the curb. Avoid over-acceleration by applying power slowly and evenly.
3. Watch out for dips or obstructions in the road as they can seriously damage the under-carriage of your vehicle.
4. Safe stopping depends upon your brakes, road surfaces, tire condition and other factors. Be sure to keep a safe distance behind the fellow in front of you since your recreational vehicle increases the stopping distance of your vehicle.
5. A recreational vehicle takes up a long stretch of road space. These units are also heavy and detract from the normal acceleration of your vehicle, therefore allow plenty of distance in front of you

before attempting to pass.

6. Driving in hilly or mountainous terrain may cause your engine and transmission to overheat. Should this occur, pull off to the side of the road and allow your engine to idle while your transmission is in 'Neutral' until your engine temperature returns to normal.
7. Under certain road conditions emergency braking may cause a skid. Turn the front wheels of the vehicle in the direction of the skid to counter-act its effect. Never lock the brakes on a towing vehicle or trailer — apply them lightly until the skid is reduced.
8. When travelling on country or mountainous roads be careful of overhanging tree limbs and other overhead or side obstacles. Light branches will brush aside, but heavy ones could damage the roof or sidewall of your recreational vehicle. Remember to consider roof vents, roof jacks, antennas, etc. when you are figuring clearance. Avoid parking too close to the curb as sign poles and other obstructions may cause you problems. Drive-in food stands and gas islands have taken more than their share of crunched roofs. Sharply crowned roads can tip your unit into obstructions

Part X

HELPFUL HINTS FOR NEW OWNERS

when parking close to the curb or roadside.

9. It is recommended that your camper be protected by a bumper on the back of your truck. Please consult your dealer for the correct type necessary for your unit.

SAFETY CONSIDERATION

Here are some important safety checks to keep in mind while travelling:

1. Serious handling problems can be caused by improper load distribution . . . **never overload** your vehicle.
2. External modifications such as motorcycle racks and boat racks have an effect upon the balance and handling of your recreational vehicle and they may void the warranty. Do not modify your unit without consulting the company first.
3. Be sure that your tires are properly inflated, have adequate tread and are in good condition.
4. Check Provincial Laws in advance regarding the requirements for brakes, vehicle height and weight, mirrors, reflectors, flares, fire extinguishers, etc.

5. To repair or alter a gas or electrical appliance, always consult an authorized and qualified service agency.
6. Recreational vehicles are designed for temporary shelter purposes and are not designed for the transportation of people. Many laws forbid their use for such purposes. We recommend all passengers be carried in the vehicle hauling unit.
7. Test your brakes thoroughly, while off the road — **not** on the freeway.
8. Seat belts have been installed in areas designated by the Ministry of Transport for your safety. Frontier Manufacturing Ltd. strongly suggests you sit only in those designated areas and use the belts while travelling. Some provinces, like B.C., require by law that the belts are used. For your own benefit, you should wear the belt snugly and properly located on the body. Periodic inspection of all the seat belt components is also very important. In the case of a non-locking retractor, the webbing must be fully extended from the retractor during use unless the retractor is attached to the free end of the webbing that is

not subject to tension during restraint of an occupant. Some automotive seat belts are supplied by the chassis manufacturer. The proper use of those belts is explained in the chassis owner's manual.

CAMPSITE

While vacationing, your home and neighbourhood will be a public or private camp site. Relaxing with old friends and making new ones is a rewarding and enjoyable experience. We suggest that you review these important considerations so that your stay will be comfortable and convenient.

1. Pick a large enough space to manoeuvre your vehicle into without crowding or disturbing your neighbours.
2. Line up as closely as possible to the water, sewer and electrical facilities.
3. Lock the wheels of your vehicle and level as required.
4. Attach the necessary services to your recreational vehicle.
5. Make sure all gas-fired appliances are turned off. Vent your unit well then open the valve of your L.P.G. tank.
6. Light gas appliances as necessary.
7. If the campsite does not have

dumping facilities for sewer, use a container to collect sink and shower water.

8. Move in and have a good time.

CONSUMPTION OF L.P. GAS

L.P. gas contains about 92,000 BTU of heat energy per gallon. To find out how long a gallon lasts, compute the total BTU input as shown on all your gas appliances. Divide this figure into 92,000 -- the result gives you the total hours of usage per gallon when all your appliances are operating at full capacity.

CONDENSATION

When the inside temperature of your unit is higher than the temperature outside, moisture in the air forms water droplets on such interior surfaces as windows, roof vents, cabinet hardware and mouldings.

Moisture is put into the air through the combustion of L.P.G., cooking food, washing dishes and the breathing of people inside. Moisture is rapidly generated, i.e. 4 people discharge into the air approximately one pound of water per hour. An open flame from your range top can also discharge approximately one pound of water per hour.

For every 4 degrees centigrade that you raise the temperature inside the unit, the moisture holding capacity of the air changes (the reverse is also true). Exhausting the humid air and raising the inside temperature reduces condensation. The only proper way to heat is with an exterior vented heater. NEVER, NEVER use an open flame from your stove top or oven to heat the air. Provide ventilation by partially opening your windows, roof vent and stove hood.

GAS CHECKS

Since gas leaks cannot be seen, you should check all gas fittings leading to your appliances with soapy water after every trip over rough roads and at least each time you refill your L.P.G. tank. Loose fittings should be tightened snugly.

If leaks persist, the fittings should be replaced. Do not over tighten fittings or use improper tools as this in itself could cause damage.

Should any problems persist consult your dealer or an authorized and Licenced L.P.G. service outlet.

DUST SEEPAGE

Quantities of dust have a way of leaking into Recreational Vehicles when travelling over ungraded or rough roads.

Partially opening your roof vent helps reduce the problem.

Road vibration can cause the striker plate on your entrance door to loosen and allow dust and moisture to leak in. From time to time it is advisable to adjust your entrance door striker plate.

INSTRUCTIONS FOR WINTER STORAGE

EXTERIOR — It is important during winter storage to protect your vehicle, in areas of heavy precipitation, with a vinyl type tarpaulin. This prevents condensation and excessive moisture which can cause musty odours and mold. It is important to provide some air circulation in the unit by partially opening a roof vent and window.

Reseal all seams with an aluminum type sealant before storing. Never allow snow to accumulate on the roof. The weight of the snow could place an undue stress on the roof and freezing and thawing could open up seams and cause leakage.

Should it be necessary to store your unit uncovered, close roof vents, windows and doors tightly to prevent moisture and dust from entering the unit.

INTERIOR — The interior requires very little attention during storage. Simply turn off all electrical and L.P.G. appliances including your L.P.G. tank. Terminate all electricity going into the unit.

Since air circulation is virtually eliminated:

1. remove all food from refrigerator or ice box. Place an opened box of baking soda in the refrigerator and leave the door ajar.
2. spread your upholstery so air can reach all portions.
3. leave all cupboard doors and drawers open.
4. place a container of moisture attracting salt in the unit.

The above tips will help reduce musty odours, mold and excessive moisture.

WATER SYSTEM

The first step in preparing for winter is to drain the water system.

For non-pressure systems open the water tank drain valve and let all the water run out. Open all taps and valves to drain

excess water from the water lines. If water is still present in the system, just repeat the above. Make sure that water is drained from the toilet following the manufacturers recommendations. Drain thoroughly, clean and deodorize the toilet holding tank, leave the plugs out to allow drying and gate valve closed.

Pour a cup of permanent auto type ethylene glycol (antifreeze) into each sink, shower, or tub drain. DO NOT ever put automotive antifreeze in drinking lines as automotive antifreeze is poisonous.

We recommend the addition of a non-toxic antifreeze in preparing pump controlled pressure water systems for winterization; simply:

1. Completely drain the water tank then close the drain valve.
2. If your unit has a hot water heater, drain the water and disconnect the water lines, then bypassing the tank connect the water lines.
3. Pour 2 gallons of non-toxic antifreeze (some units only require one gallon) into the water tank (make sure that drain valve is closed.)
4. Turn on the water pump.
5. Allow one cup of antifreeze to flow from

the faucet or valve nearest the water pump, continue in this manner until you have drained one cup of antifreeze from all of the faucets and valves.

Following is the recreational vehicle owners code of ethics:

WHILE CAMPING, I WILL.....

1. dispose of sewage only in recommended places, such as approved dumping stations.
2. never contaminate lakes or streams.
3. discharge my kitchen sink, shower water in approved locations only.
4. make sure that any fire is never unattended and is properly extinguished when I leave.
5. obey all regulations pertaining to No Smoking areas and will be especially careful with matches, cigarettes, cigars, and pipe heels.
6. put all refuse in the receptacle provided, never leave garbage and trash on the grounds.
7. never damage trees, shrubs or other items of natural beauty.
8. leave my campsite as clean or cleaner than I found it.
9. never disturb or interfere with other campers.
10. always ask permission before parking on any private property.
11. comply with all rules and regulations wherever I am staying.

WHILE DRIVING I WILL.....

1. turn off the roadway where sufficient area permits to allow a line-up of three or more vehicles to proceed. (A slow moving vehicle is one progressing slower than the normal flow of traffic at that time and place).
2. store all refuse in my vehicle until I can dispose of it in a proper container.
3. never throw my cigarettes, cigars or matches out of an open window of my vehicle.
4. keep in the right hand lane except when passing.
5. follow all traffic regulations.

BY MAINTENANCE OF MY RECREATIONAL VEHICLE I WILL.....

1. properly secure my L.P.G. tanks, battery and accessories properly.
2. check tires, wheel lugs, turn signals and lights frequently.
3. protect others in case of accident by carrying sufficient insurance.
4. check the L.P.G. system before using my unit each season.
5. frequently check the operation of the brakes and break-away device of my trailer.
6. periodically grease wheel bearings and other moving parts of my R.V.

Part XI

CODE OF ETHICS

Since we are all judged by the actions of each other, a common set of standards and values is shared by all recreational vehicle owners.

FINAL CHECK LIST

1. Is your camper, trailer, van conversion or motorhome properly loaded and balanced? Distribute the weight of all supplies equally.
2. Check tire pressure on all wheels — be sure lug nuts are tight.
3. Check out your 12 volt and 110 volt wiring systems — replace burned out bulbs. Check battery for charge.
4. Is your unit properly licensed and safety checked?
5. Fill your water tank and L.P.G. tanks — it will improve the handling of your vehicle.
6. How about equipment? Have you remembered...

Cooking —

Can Opener
Bottle opener
Spatula
Long Fork
Serving spoon

Measuring spoon
Butcher and paring knives
Skillet
Pot with cover
Oven pot
Coffee pot
Plastic shaker
Mixing bowl with cover
Aluminum foil
Plastic bags
Plastic waste baskets
Dishes, cups and glasses (plastic)
Silverware
Shot glasses
Wood type matches
Scissors
Hot pad
Paper towels and napkins

Cleaning —

Laundry soap
Cleanser
Dish soap
Scouring pad
Sponge
Cleaning rags
Broom and dust pan

Bathroom —

Hand soap
Shampoo
Shower cap
Tooth paste
Comb and brush

Toilet kit
Shaver
Toilet tissue
Towels and wash cloths

Linen —

Sleeping bags
Sheets and pillow cases
Pillows
Mattress pads
Extra blankets
Laundry bags

Personal —

Credit card
Travellers cheques
Cash
Driver's licence (current)
Proof of citizenship
Vehicle registrations
Camera and film
Fishing equipment
Binoculars
Extra eye glasses
Sun Glasses
Pocket knife
Sewing kit
Reading material
Clothing
Baby Needs —
Porta crib
Car bed
"Papoose" back carrier

Pet Needs —

Leash

Feeding dish

Miscellaneous —

String

Clothes line

Fly swatter

Insect repellent

Masking tape

Portable barbecue

Charcoal and lighter fluid

Paper and pencil

Crayons

Address book

Stamps and stationery

Extension cord

Folding lawn chairs

Children's toys

Games and puzzles

Maps

First Aid

Bucket

Axe

Shovel

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